

G. H. Hurd.

Dental Impression Cup.

N^o 89,316.

Patented Apr. 27, 1869.

Fig. 1.

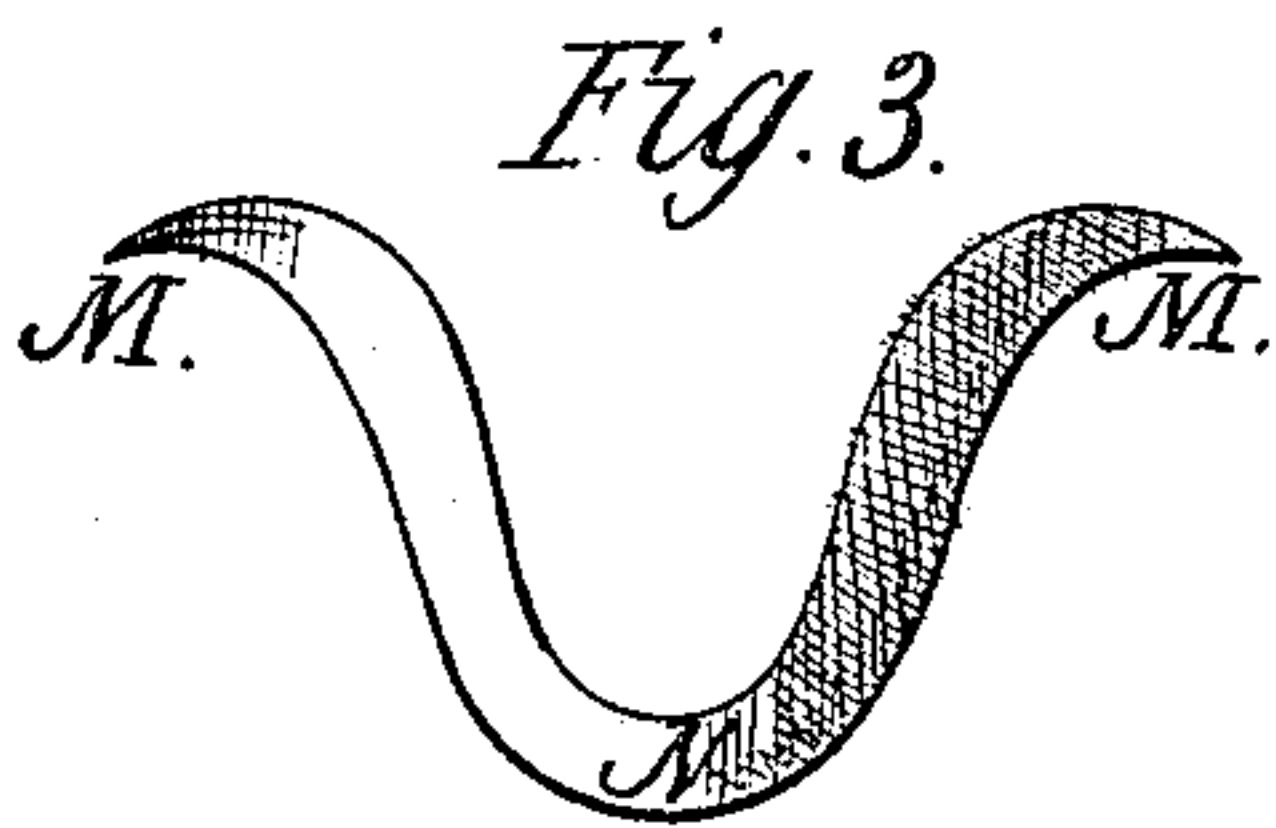
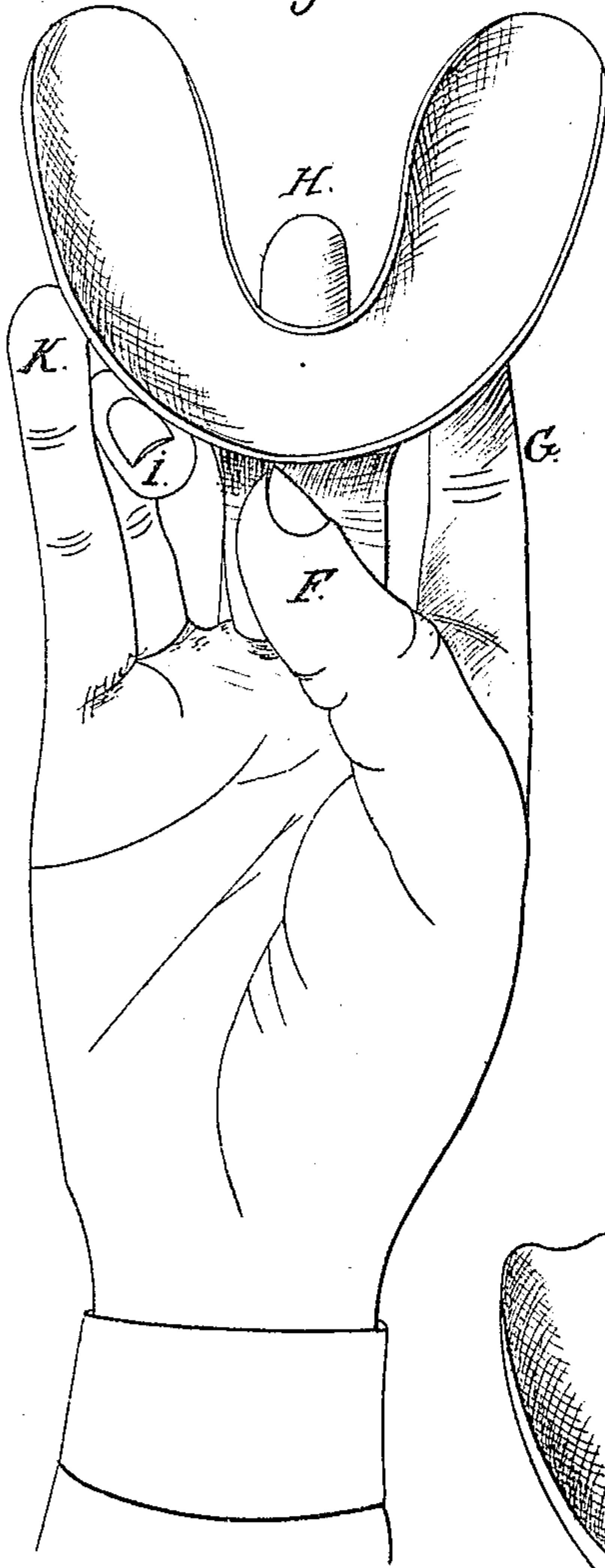
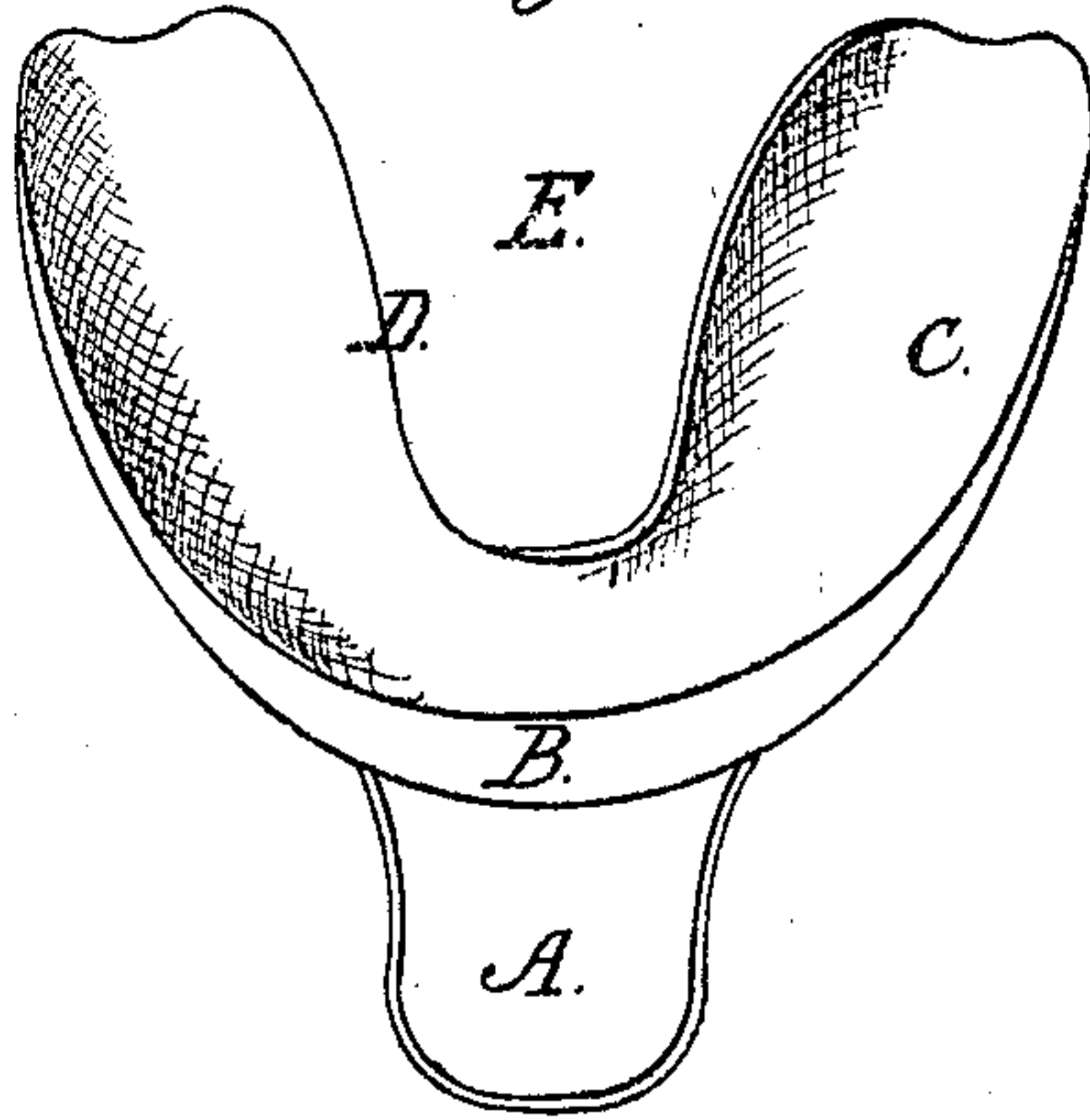


Fig. 2.



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GEORGE HILL HURD, OF MEMPHIS, TENNESSEE.

Letters Patent No. 89,316, dated April 27, 1869.

IMPROVED DENTAL IMPRESSION-CUP AND SUCTION-MOULD.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, GEORGE HILL HURD, of the city of Memphis, in the county of Shelby, and State of Tennessee, have invented a new and improved Form of Making Impression-Cups and Suction-Moulds, that are used in taking impressions of the jaw, to be used in forming artificial teeth, also the shaping the suction-cavity, I have named "The Alveolar Cup and Mould;" and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in providing a plate, or cup that nearly covers the alveola, and not the entire roof of the mouth, and as the palate part of the cup is open, in which the second finger of the operator is inserted, preventing the plaster, or wax getting into the throat of the patient, as is the case when the present impression-cups now in use, are used, producing suffocation, nausea, and sickness.

Often in the use of the old cup, it is next to impossible to get a correct impression of very high palates. With present cup, in using this my invention, the impression of all mouths can be taken with the nicest precision and ease, both to the operator and patient, the second finger acting as a wedge, to press forward the plaster, or wax back of the gum, and closely around the alveolar process.

The mould is used in forming the suction-cavity directly back of the alveolar process, thereby giving a suction more extended and permanent than those now used in the palate, or roof of the mouth.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my dental cup, as shown in No. II Figure, it being a perspective view.

A, the handle.

B, the front rim.

C, the hollow, or circular trough, to receive the alveolar process.

Letter D displays the back, or inner rim, leaving the palate, or centre of plate open to receive the second finger of operator, as shown by letter E.

The suction-mould, as shown by No. III, is in width from a quarter to a sixteenth of an inch, and any desired thickness, as shown by letter N, and at each end tapering, and shaped to fit the inner surface, and directly back of the alveolar process, also so bent as to extend forward directly over the process, as shown by letters M M.

I make them of zinc, porcelain, or any other material, substantially the same.

The presentation, as shown in No. I, with a cup manufactured as above described, obviates many of the discomforts both to patient and operator.

What I claim as my invention, and desire to secure by Letters Patent, is—

The making an impression-cup for dental use, for taking an impression of the mouth, shaped to fit merely over the "alveolar process," as shown in Fig. No. II, also mould to form the suction-cavity, as shown in Fig. No. I, each shaped and formed as above described and set forth, and for the purposes herein stated.

GEORGE HILL HURD.

Witnesses:

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JAS. A. CAMERON.